District 08 Mobility Performance Report

2016 First Quarter

DEPARTMENT OF TRANSPORTATION

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District 08 Mobility Performance Report

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EXECUTIVE SUMMARY

Overview

Caltrans District 8 contains two counties located in southern California: San Bernardino and Riverside Counties. Both counties are part of the Inland Empire, with Riverside County has a population of almost 2.3 million residents and San Bernardino County with 2.1 million residents. Although these are urban counties, they do contain a large amount of sparsely populated National Forest and National Recreation Area land.

The Mobility Performance quarterly analysis compares information with over a year ago and over last quarter in the following performance measures:

- Vehicle Miles of Travel (VMT))
- o Vehicle Hours of Delay (VHD), Bottleneck Locations
- Lost Lane Miles (equivalent lost productivity)
- Detector Health

This information is based on data collected every day of the quarter, twenty–four hours a day, by automated vehicle detector stations deployed on urban-area freeways where congestion is regularly experienced. The MPR presents congestion information at two speed thresholds: delay from vehicles traveling below 35 miles per hour (mph), and delay from vehicles traveling below 60 mph. The delay at the 35 mph threshold represents severe congestion while delay at 60 mph represents all congestion, both light and heavy. These thresholds are set by Caltrans and are based upon engineering experience and District input.

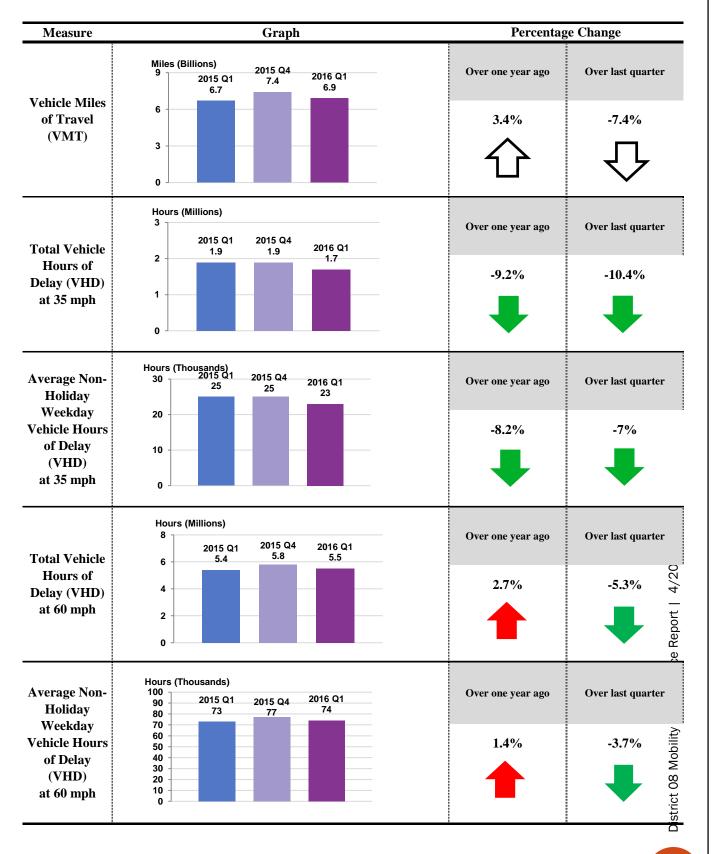
FINDINGS

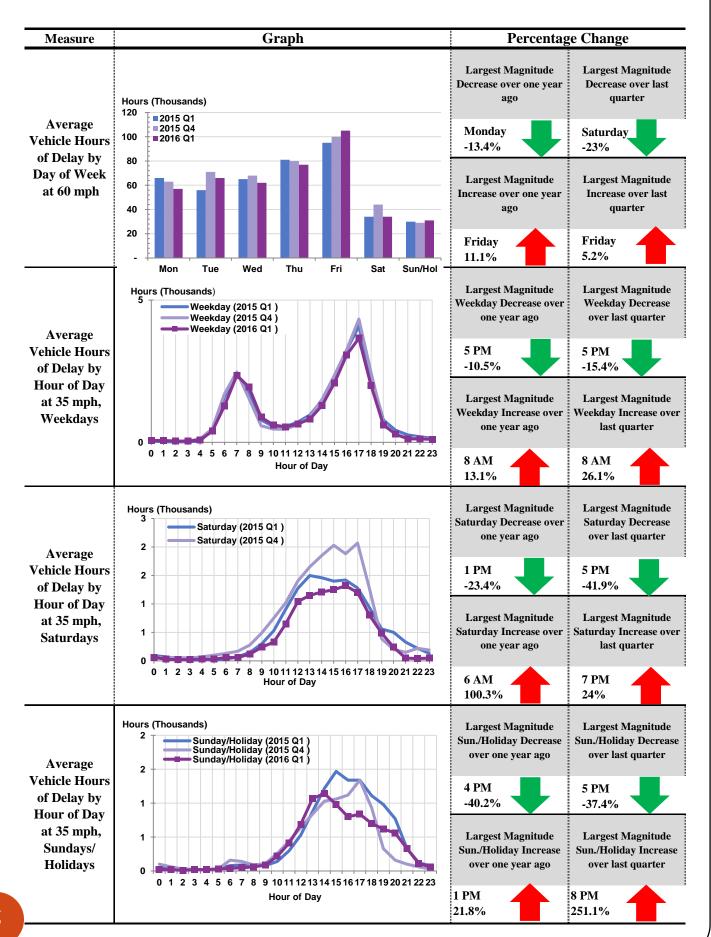
In the First quarter of 2016, total delay equaled 1.7 million VHD at the 35 mph speed threshold, and 5.5 million VHD at the 60 mph threshold. The average weekday delay experienced in this quarter was approximately 23 thousand VHD at 35 mph, and 74 thousand VHD at 60 mph. The VMT equaled 6.9 billion miles for this quarter. The total delay at 35 mph is 914,806 for Riverside County and 794,408 for San Bernardino County. The total delay at 60 mph is 2,791,653 for Riverside County and 2,709,302 for San Bernardino County.

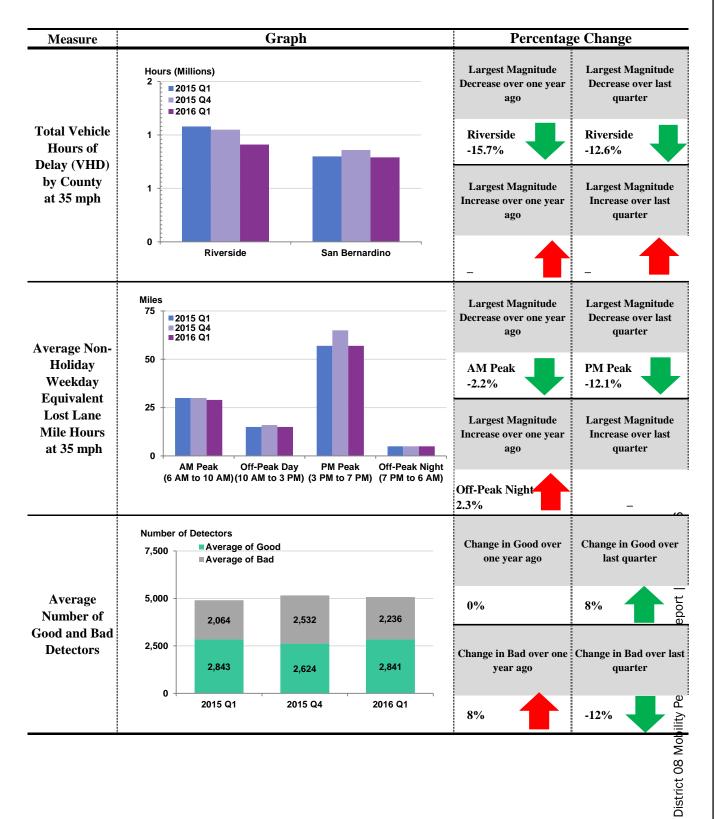
	Top Ten Bottleneck AM Period									
					Average	Total	Total			
			CA		Extent	Delay	Duration			
Rank	County	Freeway	Postmile	Approximate Location	(miles)	(hours)	(hours)	Period		
1	Riverside	I215-N	40.929	MARTIN LUTHER KING	2.11	37708.2	189.17	AM		
2	Riverside	I15-N	35.9	WEIRICK ROAD	2.20	14552.6	84.50	AM		
3	Riverside	SR91-W	5.36	Lincoln Ave	1.41	13955.7	82.67	AM		
4	Riverside	SR91-W	R.995	GREEN RIVER	0.91	12994.8	98.58	AM		
5	Riverside	I15-N	52.27	PHILADELPHIA UC	0.51	11793.6	163.50	AM		
6	Riverside	Riverside 1215-S 44.908		Center St	2.31	10012.8	48.75	AM		

Top Ten Bottleneck PM Period										
					Average	Total	Total			
			CA		Extent	Delay	Duration			
Rank	County	Freeway	Postmile	Approximate Location	(miles)	(hours)	(hours)	Period		
1	San Bernardino	I15-N	3.2	4TH ST NB ONR	1.40	49058.8	207.58	PM		
2	San Bernardino	I15-S	0.969	JURUPA	1.48	49030.1	222.42	PM		
3	Riverside	1215-S	40.76	MLK SB ON	1.96	34670.4	233.42	PM		
4	Riverside	SR91-E	16.247	.09 E/O JEFFERSON	1.61	34083.5	228.25	PM		
5	Riverside	SR91-E	R1.065	GREEN RIVER	0.87	32222.5	237.50	PM		
6	Riverside	I15-N	5.7	RANCHO CALIF. N/O	2.06	30602.4	189.00	PM		
7	Riverside	SR91-E	5.89	GRAND	1.84	29909.3	266.25	PM		
8	Riverside	SR91-W	10.724	PIERCE	1.24	29717.3	235.00	PM		
9	Riverside	SR91-E	9.337	E/O MCKINLEY	1.75	27100.9	186.17	PM		
10	San Bernardino	1210-E	2	.4 M E/O MOUNTAIN	1.12	26938.3	182.42	PM		

Quarterly Mobility Statistics







Congestion by Route											
		Vehicle Hours of Delay at 35 mph			Difference 2016 Q1-2015 Q1		Difference 2016 Q1-2015 Q4		Rank		
Route	County	2015 Q1	2015 Q4	2016 Q1	Absolute	Percentage	Absolute	Percentage	2015 Q1	2015 Q4	2016 Q1
SR-91	Riverside	605355.7	523003.5	413064.1	-192291.6	-32%	(109,939)	-21%	1	1	1
I-15	San Bernardino	357814.8	311198.5	292131	-65683.8	-18%	(19,068)	-6%	2	2	2
I-10	San Bernardino	172930.3	207684.6	218529.7	45599.4	26%	10,845	5%	4	4	3
I-15	Riverside	277115.4	250843.7	211680.1	-65435.3	-24%	(39,164)	-16%	3	3	4
I-215	Riverside	130730.5	182869.2	192728.7	61998.2	47%	9,860	5%	6	5	5
I-210	San Bernardino	130975.5	156051.9	124074.2	-6901.3	-5%	(31,978)	-20%	5	6	6
SR-60	San Bernardino	107317	96770	85022.1	-22294.9	-21%	(11,748)	-12%	7	7	7
SR-60	Riverside	44322.3	65327.8	63852.6	19530.3	44%	(1,475)	-2%	8	8	8
I-215	San Bernardino	17360	56838.7	40221.4	22861.4	132%	(16,617)	-29%	10	9	9
SR-71	San Bernardino	11975.5	32739.5	34355	22379.5	187%	1,616	5%	11	10	10
SR-71	Riverside	22541.7	13688.9	27475.5	4933.8	22%	13,787	101%	9	11	11
I-10	Riverside	4818.8	10412.7	6004.9	1186.1	25%	(4,408)	-42%	12	12	12
SR-259	San Bernardino	48.2	157.3	74.1	25.9	54%	(83)	-53%	13	13	13
TOTALS		1,883,306	1,907,586	1,709,213	-174,092	-9.2%	-198,373	-10.4%			